

CLAIMS

What is claimed is:

- 1 1. A television apparatus comprising:
2 a display control for displaying television signals from first and second
3 tuners on respective first and second windows; and
4 a processor for receiving control signals and for instructing the tuners
5 to change channels on the respective windows, wherein
6 upon receiving a first control signal, if the first window is not displayed, the
7 processor displays the first window and selects the first window for channel
8 changing, and if the first window is displayed when the first control signal is
9 received, the processor selects a window not currently selected for channel
10 changing, wherein a channel displayed in the selected window is changed
11 according to a channel changing control signal received by the television
12 apparatus.
- 1 2. The television apparatus of claim 1 wherein the processor
2 instructs the display control to highlight the selected window.
- 1 3. The television apparatus of claim 1 wherein the first window
2 is a picture-in-picture window.
- 1 4. The television apparatus of claim 3 wherein the first control
2 signal is a signal generated by pressing a picture-in-picture
3 key on a remote control.
- 1 5. The television apparatus of claim 4 wherein the channel
2 changing control signal is a signal generated by activating a
3 channel-up key in the remote control.
- 1 6. The television apparatus of claim 4 wherein the channel
2 changing control signal is a signal generated by activating a
3 number key in the remote control.

- 1 7. The television apparatus of claim 4 wherein the channel
2 changing control signal is a signal generated by activating a
3 go-back key in the remote control.
- 1 8. The television apparatus of claim 1 wherein the processor
2 selects a window other than the selected window upon
3 receiving a second occurrence of the first control signal.
- 1 9. The television apparatus of claim 1 further comprising a
2 display for displaying the windows.
- 1 10. The television apparatus of claim 1 wherein the windows are
2 picture-and-picture windows.
- 1 11. The television apparatus of claim 1 wherein one of the
2 windows is a picture-outside-picture window.
- 1 12. A method for sharing a channel changing key in a remote
2 control for changing channel in a television apparatus
3 supporting first and second windows for television signals
4 from respective first and second tuners, the method
5 comprising the steps of:
6 receiving by the television apparatus a first control signal;
7 if the first window has not been displayed, displaying the first window
8 and selecting the first window for channel changing; and
9 if the first window has been displayed, selecting a window not currently
10 selected for channel changing.
- 1 13. The method of claim 12 wherein the first control signal also
2 causes the television apparatus to highlight the selected
3 window.
- 1 14. The method of claim 13 wherein the first window is a picture-
2 in-picture window.

- 1 15. The method of claim 13 wherein the first control signal is a
2 picture-in-picture key in a remote control for invoking the
3 picture-in-picture window.
- 1 16. The method of claim 12 further comprising the step of
2 receiving a second occurrence of the first control signal and
3 selecting a window not currently selected for channel
4 changing.
- 1 17. The method of claim 12 further comprising the step of
2 receiving a channel changing control signal and changing a
3 channel displayed in the selected window according to the
4 channel changing control signal.
- 1 18. The method of claim 17 wherein the channel changing
2 control signal is generated by activating a number key in a
3 remote control for specifying a channel.
- 1 19. The method of claim 12 wherein the channel changing
2 control signal is generated by activating a go-back key in a
3 remote control for going back to a previous channel.